



MTH ELECTRIC TRAINS - SPRING 1994

HARNESS THE AWESOME POWER OF G.E.'S C30-7 DIESEL

Introduced at the 1976 Chicago Railway Equipment Fair, the General Electric C30-7 diesel would soon set the standard for contemporary diesel power and establish General Electric as a leading diesel manufacturer. The locomotive's designed proved to be remarkably durable and allow most of the fleet to continue operating today.

MTH is now proud to introduce this brand new diesel in 1/4 inch scale. Available in both 2 and 3-rail versions, the C30-7 will contain all of the premium features available on our popular Dash-8 40CW. As with the Dash-8, each engine will be available in multiple cab numbers for realistic double and triple-heading.



FEATURING

- OPERATING DIE CAST KNUCKLE COUPLERS
- METAL HANDRAILS & DECORATIVE HORN
- DIE CAST FUEL TANK, TRUCKSIDES & PILOT
- AUTHENTIC PAINT SCHEMES
- OPERATES ON O-31 TRACK
- OPERATING DIRECTIONAL HEADLIGHTS
- AVAILABLE IN 3 DIFFERENT CAB NUMBERS
- OPERATES WITH ANY AC TRANSFORMER
- DIE CAST TRUCKS
- OPTIONAL PROTOSOUND™ PACKAGE
- TWIN MOTORS WITH FLYWHEELS
-  DCRU™ REVERSE UNIT

Also included is the optional MTH ProtoSound™ digital sound system. This state of the art system contains actual General Electric diesel sounds and horns for the utmost in realism. For only

a few dollars more, you can have realistic sound and remote coil coupler operation that will make operating this engine unlike any of you have ever run!



4-6-6-4 CHALLENGER: THE

- 1/4 INCH SCALE DIMENSIONS •
- TWO OPERATING SMOKE UNIT
- DIE CAST BOILER, TENDER AND CHASSIS •
- DETAILED CAB INTERIOR
- CONSTANT VOLTAGE HEADLIGHT •
- OPERATING MARKER LIGHTS
- FIRST ARTICULATED DIE-CAST STEAMER •
- FIREBOX GLOW •



LARGEST DIE-CAST ENGINE EVER PRO

- ITS • • HIGH PERFORMANCE PITTMAN® MOTOR • •  DIGITAL
- OR • • DCRU™ REVERSE UNIT BY QSI® • • OPERATING COIL WOUND
- TS • • OPERATES WITH ANY AC TRANSFORMER • • AUTHENTIC PAINT SCHEM
- OPERATING TENDER BACK-UP LIGHT•



ODUCED!!

PACKAGE DESIGNED BY **ASIN** •

COUPLER • • 30 INCHES LONG!! •

• • RUNS ON O-72 CURVES •
• REAL COAL LOAD •

AVAILABLE IN

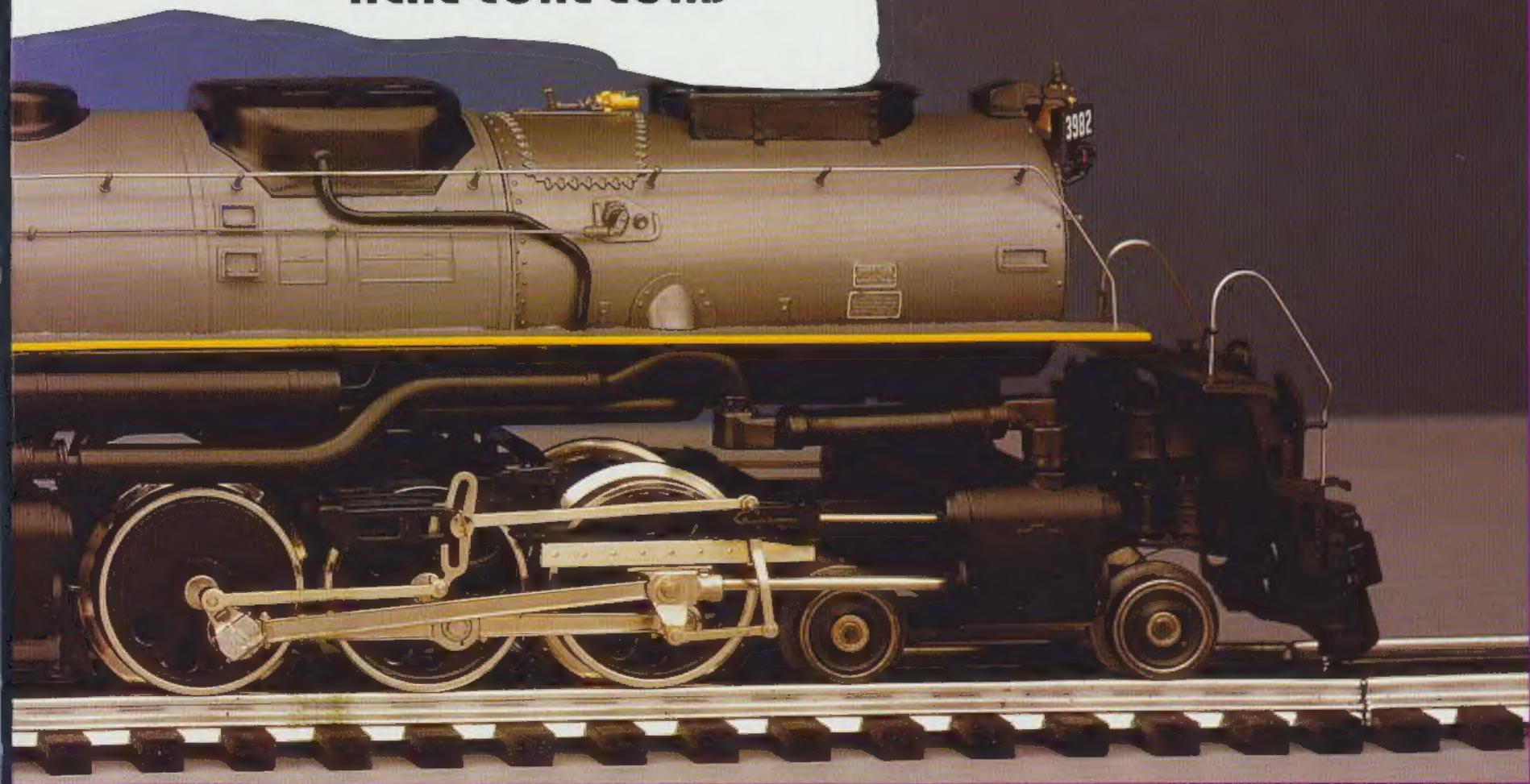
Union Pacific Gray w/Yellow Stripes

Union Pacific Gray w/White Stripes

Union Pacific Black

Denver Rio Grande

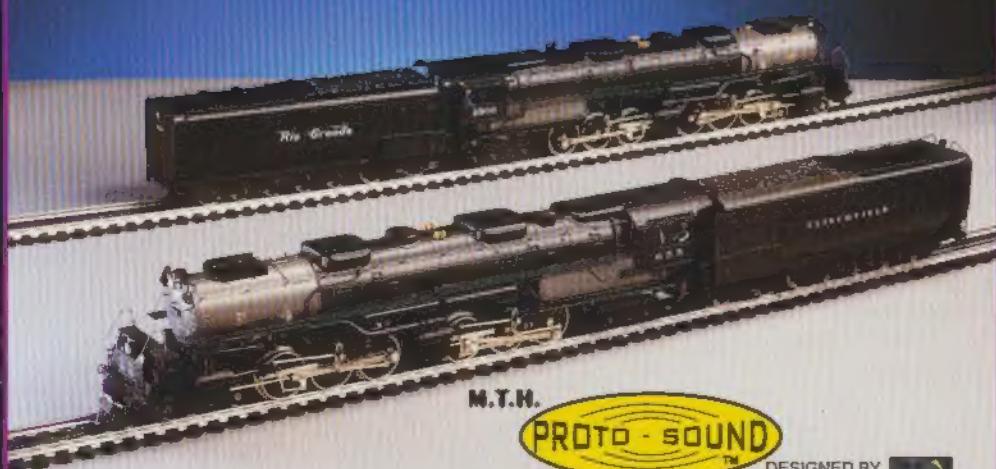
Clinchfield



ENTER A NEW AGE IN O GAUGE

In the eyes and hearts of many railfans, the mighty 4-6-6-4 Challenger may be their favorite steam locomotive. Measuring almost 122 feet in length and weighing over one million pounds, the Challenger was a near perfect combination of beauty, speed and awesome power.

A new age in O gauge trains has begun. MTH is extremely proud to announce our first die cast steam engine produced under our own name, the 4-6-6-4 Challenger. Available in five different versions, the Challenger will undoubtedly be the finest die cast steam engine ever built.



You'll be amazed by the performance of MTH's ProtoSound™. Actual Challenger sounds have been recorded onto the digital chip for CD-like sound quality that you have to hear to believe.



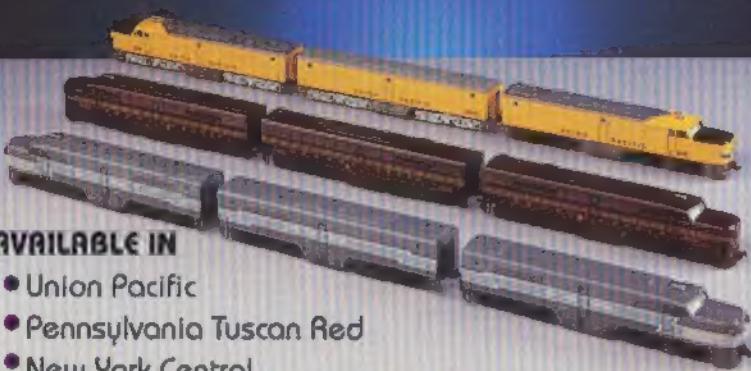
OPERATING COIL COUPLER

A coil coupler has replaced the normal magnetic activated coupler on all of our Challenger tenders for true remote coupler operation. Simply arm the coupler with the transformer whistle button and uncouple the train anywhere on your layout! No more need for those bothersome uncoupling track sections.

Loaded with more detail and standard features than have previously been seen in die cast, the Challenger, with its smooth and quiet drive train, will be a favorite for the most discriminating collector or demanding operator.

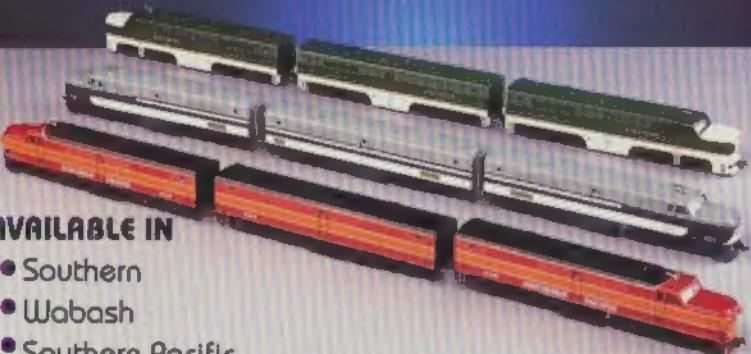
Perhaps what sets this engine apart from any previously produced steam engine, however, is our use of the MTH ProtoSound™ Digital Sound system. Our Challenger comes equipped with this unique system at no additional cost to you. Actual Challenger sounds have been recorded onto the microprocessor chip to make this engine sound more realistic than any previous manufacturer's sound system. Also standard with ProtoSound™ are several remote control features like remote lockout and coil coupler operation. Such features make our Challenger the most advanced die-cast locomotive ever built and a true evolution in model railroading.

THE REMARKABLE ALCO PA-1 DIESEL



AVAILABLE IN

- Union Pacific
- Pennsylvania Tuscan Red
- New York Central



AVAILABLE IN

- Southern
- Wabash
- Southern Pacific

FEATURING

- OPERATING DIE-CAST KNUCKLE COUPLERS
- METAL HANDRAILS, STEPS & HORN
- DIE CAST FUEL TANK, TRUCK SIDES AND PILOT
- ILLUMINATED NUMBER BOARDS
- CONSTANT VOLTAGE DIRECTIONAL HEADLIGHTS
- OPERATING MARSH LIGHTS
- AA SET INCLUDES 1 POWERED, 1 DUMMY A UNIT
- OPTIONAL B UNIT AVAILABLE
- OPERATES ON O-31 TRACK
- OPERATING DIRECTIONAL HEADLIGHTS
- AVAILABLE IN 3 DIFFERENT CAB NUMBERS
- OPERATES WITH ANY AC TRANSFORMER
- AUTHENTIC PAINT SCHEMES
- TWIN MOTORS WITH FLYWHEELS
- OPTIONAL PROTOSOUND™ PACKAGE
- **QSL** DCRU™ REVERSE UNIT

M.T.H.

PROTO - SOUND™

DESIGNED BY **QSL**



The post WWII era was an exciting transition period for our nation's railroads. Practical, War-time productions gave way to more daring and glamorous streamlined diesels pulling newly equipped passenger trains.

Introduced in 1946, the American Locomotive Company's PA-1 made an instant impact on our railroads and railfans. Quickly earning the reputation as the most attractive diesel ever, the

classic PA-1 design inspired many colorful liveries on many of the country's railroads. Measuring over 65 feet long, the PA-1 featured 2000 horsepower and 100 mph gearing, creating an awesome combination of sleekness, speed and power. Well suited for both passenger or fast freight service, the Alco PA-1 was a fixture on many of our most famous railroads for years after its introduction.

Optionally equipped with MTH's ProtoSound™ digital sound, the MTH Alco PA is sold as an AA set with an optional dummy B unit. The AA set contains one twin motored, flywheel equipped powered unit, just like our Dash-8 diesel, and one dummy unit. Whether you order the set with or without ProtoSound™, you are sure to find the MTH Alco PA's the finest ever produced.



Welcome to MTH Electric Trains®

The birth of a new age in model railroading has occurred. With our announcement of the first die-cast articulated steam engine for the O Gauge market, MTH Electric Trains is proud to usher in this new evolution, an evolution marrying high technology to an ages old hobby.

Having amassed over ten years of manufacturing experience in the toy train industry, MTH Electric Trains brings extensive knowledge on stamped metal forming, die-cast metal tooling construction, plastic mold injecting experience and mass production painting systems. Such knowledge is crucial to bringing out the high quality pieces you see on the proceeding pages.

Combining our experience with the technological superiority of QSI® has allowed us to offer our products with and without our all new ProtoSound™ digital sound and train control package. We believe that this system is far superior to any other manufacturer's sound system. Rounding out our revolutionary features are true 1/4 scale dimensions, intricate detail, flywheel drive trains and incredible pulling strength that all add up to the best train line the market has to offer.

PROTO - SOUND™ PACKAGE

With the introduction of our Spring '94 product line, MTH is proud to offer our ProtoSound™ digital sound package, designed by QSI®. On the Challenger the package comes as standard equipment and on the diesels it is optional.

Included within the package is a full function digital sound system with 16 bit, CD-like sound quality. Actual locomotive sounds have been recorded and encoded on microprocessor chips within the system to give you the most realistic locomotive sounds ever produced.

© 1993, Mike's Toy & Train House

for the O Gauge market. Unlike our competitor's sounds, which are the same no matter what type of diesel or steam engine they come in, our sounds are authentic. So when you order the ProtoSound™ package, your Alco PA will come with actual Alco PA sounds, your C30-7 will arrive with G.E.'s diesel sounds and of course your Challenger will be shipped with the awesome articulated sounds of the UP Challenger.

In addition to the fantastic sounds, you also get several remote control functions all activated by any RC transformer with a whistle or horn button. Coil wound couplers, replacing the normal die-cast armature couplers, are included on the chassis when the ProtoSound™ package is ordered. This allows you to uncouple your engine anywhere on the layout. No uncoupling track sections or extra wires are needed. What's more, when the coil coupler is activated you'll hear the sound of the air lines breaking apart and the clunk of the knuckle opening!

With the ProtoSound™ package, you can also lock out your engine remotely from the transformer anywhere on the layout. No more switching a cumbersome lockout switch to configure your train on a block signal layout.

Finally, with the self recharging battery system, your engine will continue to emit sounds even when power is shut off to the track. Now when you switch from forward to neutral, you'll hear air releasing and steam hissing sounds instead of dull silence, just like the real engines! And at last, no more sound cutouts when you cross a dirty switch or hit a dead spot on your track!

Here's What You Get:

Without ProtoSound™ Package

- Two Die-Cast Armature Knuckle Couplers
- DCRU™ Reverse Unit With Manual Lockout

With ProtoSound™ Package

- Two Remote Controlled Coil Wound Couplers (One on steamer engine tenders)
- ProtoSound 16 Bit Digital Sound System
- Built In DCRU Reverse Unit
- Remote Controlled Locomotive Lockout
- Battery Backup System
- Remotely Adjustable Steam Chuff & Diesel Engine Sounds

Products depicted are not production models and their graphics, features and contents are subject to change after publication. All product descriptions may be verified on the retail package.